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EXAMINER

RAMPURIA, SHARAD K

ART UNIT	PAPER NUMBER
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2683

DATE MAILED: 06/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/772,065

Applicant(s)

HUTCHESON ET AL.

Examiner

Sharad K. Rampuria

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 April 2004.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-59 is/are pending in the application.
- 4a) Of the above claim(s) 60-92 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-59 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
- If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
- a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____.
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

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Response to Amendment

Applicant's arguments with respect to claims 1-59 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-11, 13-17, 19-31, 33-36, 38-50, 52-55, & 57-59 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marsh et al. in view of Chow et al.

1. Regarding claim 1, Marsh disclosed A method of rendering wireless communications services by a provider to one or more subscribers in return for payment of a charge (abstract), comprising: determining a flat rate charge for the services; (one rate; col.2; 8-22)
tracking the services by an account uniquely correspondent to a wireless device on which the services are provided; (profile; col.16; 53-64)
determining a period of time within which the flat rate for the wireless device charge shall apply; (period of time; col.16; 53-64)

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determining a charge to the account based upon the flat rate for the period of time; (col.16; 53-64)

receiving payment of the charge substantially before the wireless communications services are rendered to the subscriber. (col.17; 9-19) and

Marsh fails to disclosed providing by the provider of unlimited access to the wireless communications services solely from within a limited geographic region in exchange for the charge to the account. However, Chow teaches in an analogous art, that providing by the provider of unlimited access to the wireless communications services solely from within a limited geographic region in exchange for the charge to the account; (home... free within that zone; pg.3; 0036) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include providing by the provider of unlimited access to the wireless communications services solely from within a limited geographic region in exchange for the charge to the account in order to provide a single rate for home neighborhood zone.

2. Regarding claim 2, Marsh disclosed The method of claim 1, further comprising determining the value of the flat rate without relation to minutes of use by the user of the wireless communications services during the period of time. (col.16; 53-64)

3. Regarding claim 3, Marsh disclosed The method of claim 1, further comprising determining the value of the flat rate without relation to the number of calls made or received by the user during the period of time. (col.16; 53-64)

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4. Regarding claim 4, Marsh disclosed The method of claim 1, wherein the period of time further comprises a predetermined period of time. (col.16; 53-64)

5. Regarding Claim 5, Marsh disclosed The method of claim 1, further comprising charging a flat rate for the period of time that is proportional to a rate of less than or equal to about \$50 per month. (Table 6-8; col.18; 23-61)

6. Regarding Claim 6, Marsh disclosed The method of claim 1, further comprising charging a flat rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month. (Table 6-8; col.18; 23-61)

7. Regarding Claim 7, Marsh disclosed The method of claim 1, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 300 calls per month. (Table 6-8; col.18; 23-61)

8. Regarding Claim 8, Marsh disclosed The method of claim 1, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 400 minutes of use per month. (Table 6-8; col.18; 23-61)

9. Regarding Claim 9, Marsh disclosed The method of claim 1, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 600 minutes of use per month. (Table 6-8; col.18; 23-61)

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10. Regarding Claim 10, Marsh disclosed The method of claim 1, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 800 minutes of use per month. (Table 6-8; col.18; 23–61)

11. Regarding Claim 11, Marsh disclosed The method of claim 1, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 1000 minutes of use per month. (Table 6-8; col.18; 23–61)

13. Regarding Claim 13, Marsh disclosed The method of claim 1, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$40 per month, and wherein the average minutes of use of the services per user is at a rate for the period of time that is proportional to a rate of greater than or equal to about 200 minutes per month. (Table 6-8; col.18; 23–61)

14. Regarding Claim 14, Marsh disclosed The method of claim 1, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month, and wherein the average minutes of use of the services per user is at a rate for the period of time that is proportional to a rate of greater than or equal to about 500 minutes per month. (Table 6-8; col.18; 23–61)

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15. Regarding Claim 15, Marsh disclosed The method of claim 1, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month, and wherein the operating expense per user is at a rate that is proportional to a rate of less than or equal to about \$26 per month. (Table 6-8; col.18; 23-61)

16. Regarding Claim 16, Marsh disclosed The method of claim 1, further comprising:

maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month; and

maintaining the margin for the operator of the wireless communications services at greater than or equal to about 15%. (Table 6-8; col.18; 23-61)

17. Regarding claim 17, Marsh disclosed all the particulars of the claim except limited geographic areas. However, Chow teaches in an analogous art, that The method of claim 1, further comprising providing the wireless communications services primarily in limited geographic areas in which the user substantially lives, works, and plays. (home... free within that zone; pg.3; 0036) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include a limited geographic region in order to provide a single rate for home neighborhood zone.

19. Regarding Claim 19, Marsh disclosed The method of claim 1, further comprising maintaining the operating expense per subscriber at a rate that is proportional to a rate of less than or equal to about \$26 per month. (Table 6-8; col.18; 23-61)

20. Regarding Claim 20, Marsh disclosed The method of claim 1, further comprising maintaining the cash cost per unit at less than or equal to about \$20. (Table 6-8; col.18; 23-61)

21. Regarding Claim 21, Marsh disclosed The method of claim 1, further comprising maintaining the acquisition cost per subscriber at less than or equal to about \$230. (Table 6-8; col.18; 23-61)

22. Regarding claim 22, Marsh disclosed A method of rendering wireless communications services to one or more subscribers in return for payment of a flat rate charge (abstract), comprising:

determining a flat rate charge for the services; (one rate; col.2; 8-22)

determining a period of time within which the flat rate charge shall apply; (period of time; col.16; 53-64)

storing and tracking the flat rate charge in an account assigned to a device of the subscriber; (profile; col.16; 53-64)

receiving payment of the charge substantially before the wireless communications services are rendered to the subscriber. (col.17; 9-19)

rendering the charges to the user in a billing statement that does not include detailed call records. (col.17; 9-19) and

Marsh fails to disclosed providing the wireless communications services in a limited geographic area in which the subscriber substantially lives, works, and plays. However, Chow

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teaches in an analogous art, that providing unlimited access to the wireless communications services for the flat rate during the period of time; providing the wireless communications services in a limited geographic area in which the subscriber substantially lives, works, and plays; (home... free within that zone; pg.3; 0036) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include providing the wireless communications services in a limited geographic area in which the subscriber substantially lives, works, and plays in order to provide a single rate for home neighborhood zone.

23. Regarding claim 23, Marsh disclosed The method of claim 22, further comprising determining the value of the flat rate without relation to minutes of use by the user of the wireless communications services during the period of time. (col.16; 53-64)

24. Regarding claim 24, Marsh disclosed The method of claim 22, further comprising determining the value of the flat rate without relation to the number of calls made or received by the user during the period of time. (col.16; 53-64)

25. Regarding claim 25, Marsh disclosed The method of claim 22, wherein the period of time further comprises a predetermined time period. (col.16; 53-64)

26. Regarding Claim 26, Marsh disclosed The method of claim 22, further comprising charging a flat rate for the period of time that is proportional to a rate of less than or equal to about \$50 per month. (Table 6-8; col.18; 23-61)

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27. Regarding Claim 27, Marsh disclosed The method of claim 22, further comprising charging a flat rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month. (Table 6-8; col.18; 23-61)

28. Regarding Claim 28, Marsh disclosed The method of claim 22, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 400 minutes of use per month. (Table 6-8; col.18; 23-61)

29. Regarding Claim 29, Marsh disclosed The method of claim 22, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 600 minutes of use per month. (Table 6-8; col.18; 23-61)

30. Regarding Claim 30, Marsh disclosed The method of claim 22, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 800 minutes of use per month. (Table 6-8; col.18; 23-61)

31. Regarding Claim 31, Marsh disclosed The method of claim 22, further comprising allowing use at a rate for the period of time that is proportional to a rate of more than or equal to about 1000 minutes of use per month. (Table 6-8; col.18; 23-61)

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33. Regarding Claim 33, Marsh disclosed The method of claim 22, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$40 per month, and wherein the average minutes of use of the services per user is at a rate that is proportional to a rate of greater than or equal to about 200 minutes per month. (Table 6-8; col.18; 23–61)

34. Regarding Claim 34, Marsh disclosed The method of claim 22, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month, and wherein the average minutes of use of the services per user is at a rate that is proportional to a rate of greater than or equal to about 500 minutes per month. (Table 6-8; col.18; 23–61)

35. Regarding Claim 35, Marsh disclosed The method of claim 22, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than or equal to about \$30 per month, and wherein the operating expense per user is at a rate for the period of time that is proportional to a rate of less than about \$26 per month. (Table 6-8; col.18; 23–61)

36. Regarding Claim 36, Marsh disclosed The method of claim 22, further comprising: maintaining the average revenue per user at a rate for the period of time that is proportional to a rate of less than about \$30 per month; and maintaining the margin for the operator of the wireless communications services at greater than or equal to about 15%. (Table 6-8; col.18; 23–61)

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38. Regarding Claim 38, Marsh disclosed The method of claim 22, further comprising maintaining the operating expense per subscriber at a rate that is proportional to a rate of less than or equal to about \$26 per month. (Table 6-8; col.18; 23-61)

39. Regarding Claim 39, Marsh disclosed The method of claim 22, further comprising maintaining the cash cost per unit at less than or equal to about \$20. (Table 6-8; col.18; 23-61)

40. Regarding Claim 40, Marsh disclosed The method of claim 22, further comprising maintaining the acquisition cost per subscriber at less than or equal to about \$230. (Table 6-8; col.18; 23-61)

41. Regarding claim 41, Marsh disclosed A method of rendering wireless communications services to one or more subscribers in return for payment of a flat rate charge (abstract), comprising:

determining a flat rate charge for the services; (one rate; col.2; 8-22)

determining a period of time within which the flat rate charge shall apply; (period of time; col.16; 53-64)

storing and tracking the flat rate charge in an account assigned to a device of the subscriber; (profile; col.16; 53-64)

receiving payment of the charge substantially before the wireless communications services are rendered to the subscriber. (col.17; 9-19)

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rendering the charges to the user in a billing statement that does not include detailed call records.

(col.17; 9–19)

operating the wireless communications services to optimize cost containment rather than revenue generation. (col.15; 55–66) and

Marsh fails to disclosed providing the wireless communications services primarily in limited geographic areas in which the user substantially lives, works, and plays. However, Chow teaches in an analogous art, that providing the wireless communications services primarily in limited geographic areas in which the user substantially lives, works, and plays; and providing the wireless communications services only in the determined geographic area; (home... free within that zone; pg.3; 0036) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include providing the wireless communications services primarily in limited geographic areas in which the user substantially lives, works, and plays in order to provide a single rate for home neighborhood zone.

42. Regarding claim 42, Marsh disclosed The method of claim 41, further comprising determining the value of the flat rate without relation to minutes of use by the user of the wireless communications services during the period of time. (col.16; 53-64)

43. Regarding claim 43, Marsh disclosed The method of claim 41, further comprising determining the value of the flat rate without relation to the number of calls made or received by the user during the period of time. (col.16; 53-64)

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44. Regarding claim 44, Marsh disclosed The method of claim 41, wherein the period of time further comprises a predetermined time period. (col.16; 53-64)

45. Regarding Claim 45, Marsh disclosed The method of claim 41, further comprising charging a flat rate for the period of time that is proportional to a rate of less than or equal to about \$50. (Table 6-8; col.18; 23-61)

46. Regarding Claim 46, Marsh disclosed The method of claim 41, further comprising charging a flat rate for the period of time that is proportional to a rate of less than or equal to about \$30. (Table 6-8; col.18; 23-61)

47. Regarding Claim 47, Marsh disclosed The method of claim 41, further comprising allowing use at a rate for the period of time that is proportional to a rate more than or equal to about 400 minutes of use per month. (Table 6-8; col.18; 23-61)

48. Regarding Claim 48, Marsh disclosed The method of claim 41, further comprising allowing use at a rate for the period of time that is proportional to a rate more than or equal to about 600 minutes of use per month. (Table 6-8; col.18; 23-61)

49. Regarding Claim 49, Marsh disclosed The method of claim 41, further comprising allowing use at a rate for the period of time that is proportional to a rate more than or equal to about 800 minutes of use per month. (Table 6-8; col.18; 23-61)

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50. Regarding Claim 50, Marsh disclosed The method of claim 41, further comprising allowing use at a rate for the period of time that is proportional to a rate more than or equal to about 1000 minutes of use per month. (Table 6-8; col.18; 23-61)

52. Regarding Claim 52, Marsh disclosed The method of claim 41, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate less than or equal to about \$40 per month, and wherein the average minutes of use of the services per user is at a rate for the period of time that is proportional to a rate greater than or equal to about 200 minutes per month. (Table 6-8; col.18; 23-61)

53. Regarding Claim 53, Marsh disclosed The method of claim 41, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate less than or equal to about \$30 per month, and wherein the average minutes of use of the services per user is at a rate for the period of time that is proportional to a rate greater than or equal to about 500 minutes per month. (Table 6-8; col.18; 23-61)

54. Regarding Claim 54, Marsh disclosed The method of claim 41, further comprising maintaining the average revenue per user at a rate for the period of time that is proportional to a rate less than or equal to about \$30 per month, and wherein the average minutes of use of the services per user is at a rate for the period of time that is proportional to a rate less than or equal to about \$26 per month. (Table 6-8; col.18; 23-61)

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55. Regarding Claim 55, Marsh disclosed The method of claim 41, further comprising:
maintaining the average revenue per user at a rate for the period of time that is proportional to a rate less than or equal to about \$30 per month; and maintaining the margin for the operator of the wireless communications services at greater than or equal to about 15%. (Table 6-8; col.18; 23–61)

57. Regarding Claim 57, Marsh disclosed The method of claim 41, further comprising
maintaining the operating expense per subscriber at a rate for the period of time that is proportional to a rate less than or equal to about \$26 per month. (Table 6-8; col.18; 23–61)

58. Regarding Claim 58, Marsh disclosed The method of claim 41, further comprising
maintaining the cash cost per unit at less than or equal to about \$20. (Table 6-8; col.18; 23–61)

59. Regarding Claim 59, Marsh disclosed The method of claim 41, further comprising
maintaining the acquisition cost per subscriber at less than or equal to about \$230. (Table 6-8; col.18; 23–61)

Claims 12, 32 & 51 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marsh et al. & Chow et al., further in view of Chung et al.

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12. Regarding Claim 12, The above combination disclosed all the particulars of the claim except adapting the wireless communications services as the user's primary telephone service. However, Chung teaches in an analogous art, that The method of claim 1, further comprising adapting the wireless communications services as the user's primary telephone service. (col.1; 46-53)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include adapting the wireless communications services as the user's primary telephone service in order to provide the most optimal service plan available for a particular number.

32. Regarding Claim 32, The above combination disclosed all the particulars of the claim except adapting the wireless communications services as the user's primary telephone service. However, Chung teaches in an analogous art, that The method of claim 22, further comprising adapting the wireless communications services as the user's primary telephone service. (col.1; 46-53)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include adapting the wireless communications services as the user's primary telephone service in order to provide the most optimal service plan available for a particular number.

51. Regarding Claim 51, The above combination disclosed all the particulars of the claim except adapting the wireless communications services as the user's primary telephone service. However, Chung teaches in an analogous art, that The method of claim 41, further comprising adapting the wireless communications services as the user's primary telephone service. (col.1; 46-53)

Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention

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to include adapting the wireless communications services as the user's primary telephone service in order to provide the most optimal service plan available for a particular number.

Claims 18, 37, 56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marsh et al. & Chow et al., further in view of Dahm et al.

18. Regarding Claim 18, The above combination disclosed all the particulars of the claim except maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months. However, Dahm teaches in an analogous art, that The method of claim 1, further comprising maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months. (col.12; 12-36, col.15; 33-57) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months in order to provide the subscriber loyalty and retention techniques.

37. Regarding Claim 37, The above combination disclosed all the particulars of the claim except maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months. However, Dahm teaches in an analogous art, that The method of claim 22, further comprising maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months. (col.12; 12-36, col.15; 33-57) Therefore, it would have been obvious to one of ordinary skill in the art at the

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time of invention to include maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months in order to provide the subscriber loyalty and retention techniques.

56. Regarding Claim 56, The above combination disclosed all the particulars of the claim except maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months. However, Dahm teaches in an analogous art, that The method of claim 41, further comprising maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months. (col.12; 12-36, col.15; 33-57) Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to include maintaining a user churn rate of less than or equal to about 4% for users who have retained the services for about three or more months in order to provide the subscriber loyalty and retention techniques.

Conclusion

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period

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will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sharad Rampuria whose telephone number is 703-308-4736. The examiner can normally be reached on Mon-Fri. (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William Trost can be reached on 703-308-5318. The fax phone numbers for the organization where this application or proceeding is assigned are 703-872-9314 for regular communications and 703-872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-305-4700.

Sharad Rampuria
June 16, 2004


WILLIAM TROST
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600